

Date: Fri, 8 Jul 94 04:30:31 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #180  
To: Ham-Space

Ham-Space Digest                      Fri, 8 Jul 94                      Volume 94 : Issue 180

Today's Topics:

                    10M Receive Antennas  
DOVE-OSCAR-17 Telemetry Decoding Program Available  
DOVE Confusion, Need Clarification (2 msgs)  
                    oscar rigs, etc.  
                    rebroadcast of AMSAT net  
                    Satellites seen from Earth  
                    STS-65 Element Set (94189.746)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----

Date: 7 Jul 94 14:09:34 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: 10M Receive Antennas  
To: ham-space@ucsd.edu

Message:

OOPS!! In my previous posting, H-S Digest #179, I made mention of  
crossed Yagis. I really meant "crossed dipoles". If I had the  
ability to put up beams, I wouldn't have the need for a fixed  
antenna. I found something about this configuration in an old copy of  
The Satellite Experimenters Handbook with the name T/R Array (for  
turnstile-reflector) The diagram showed two patterns, one like a  
slightly elevated do-nut and the other more rounded but slightly  
elongated in the vertical plane with the difference being only the  
spacing above ground. The do-nut was 3/8 wave and the other was 1/4  
wave above. Also, the antenna was illustrated for 2M, but shouldn't

it work for other bands as well? Again, thanks in advance for any input.

73, Gary WA4YMZ FM05 Apex,NC E-mail: Gary.Rogers@dgc.ceo.dg.com

Any opinions expressed are my own, and don't reflect those of any other party. Thier loss.

-----  
Date: 7 Jul 94 14:11:31 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!newsserver.jvnc.net!  
igor.rutgers.edu!dziuxsolim.rutgers.edu!pilot.njin.net!magliaco@network.ucsd.edu  
Subject: DOVE-OSCAR-17 Telemetry Decoding Program Available  
To: ham-space@ucsd.edu

I just finished creating a simple (but effective) telemetry decoding program for DOVE-OSCAR-17 and am making it available via anonymous FTP at pilot.njin.net. The file is called "dovdec10.zip" and is located in the /pub/SpaceNews/software sub-directory.

73, de John, KD2BD

--  
John A. Magliacane, KD2BD \* /\ \* Voice : 1-908-224-2948  
Advanced Technology Center |/\| Packet : KD2BD @ N2KZH.NJ.USA.NA  
Brookdale Community College |/\| Internet: magliaco@pilot.njin.net  
Lincroft, NJ 07738 \* /\ \* Morse : -. -.. ..--- .... -..

--  
John A. Magliacane, KD2BD \* /\ \* Voice : 1-908-224-2948  
Advanced Technology Center |/\| Packet : KD2BD @ N2KZH.NJ.USA.NA  
Brookdale Community College |/\| Internet: magliaco@pilot.njin.net  
Lincroft, NJ 07738 \* /\ \* Morse : -. -.. ..--- .... -..

-----  
Date: 7 Jul 1994 16:00:28 GMT  
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!sookit!  
rspear@network.ucsd.edu  
Subject: DOVE Confusion, Need Clarification  
To: ham-space@ucsd.edu

John C. Wren (jcw@kd4dts.atl.ga.us) wrote:

: I'm a little confused about the DOVE satelllites (so what's new many  
: people shout together...) Is D0-17 the DOVE satellite? And what  
: modes, etc does it support? I'm trying to find the TLE's to add to  
: PCTRAK, and I'm not sure what I'm looking for. Someone recently  
: posted a large list of TLE, and the closest thing I find is D0-17.

: - John

john - here's the downlinks from dove (do-17) ...

145.82438      1200 bps AFSK FM or Dig Voice  
145.82516      1200 bps AFSK FM or Dig Voice

there are no uplinks ...

regards, richard kd6lwd

rspear@sookit.jpl.nasa.gov  
all disclaimers apply

-----

Date: Thu, 7 Jul 1994 19:00:06 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!asuvax!pitstop.mcd.mot.com!mcdphx!schbbs!  
news@network.ucsd.edu  
Subject: DOVE Confusion, Need Clarification  
To: ham-space@ucsd.edu

In article <1994Jul6.233235.19336@kd4dts.atl.ga.us>, jcw@kd4dts.atl.ga.us (John C. Wren)

says:

>

> I'm a little confused about the DOVE satellites (so what's new many  
> people shout together...) Is DO-17 the DOVE satellite? And what  
> modes, etc does it support? I'm trying to find the TLE's to add to  
> PCTrack, and I'm not sure what I'm looking for. Someone recently  
> posted a large list of TLE, and the closest thing I find is DO-17.

>

>

- John

Yes, DO-17 is the same satellite as DOVE. At the moment, the bird is transmitting  
on 145.825 +/- doppler. It is broadcasting AFSK 1200 baud packet (standard TNC  
will  
capture and decode) and computer generated voice announcements. At this time, the  
computer generated voice is simply saying "HI, this is DOVE in space" or something  
like that. A little difficult to understand. Good luck.

Ned AA7A

-----

Date: 7 Jul 1994 22:40:53 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!paris.ics.uci.edu!  
news.claremont.edu!nntp-server.caltech.edu!netline-fddi.jpl.nasa.gov!sookit!

rspear@network.ucsd.edu  
Subject: oscar rigs, etc.  
To: ham-space@ucsd.edu

i'm trying to put together a first sat station ... right now i just use a 2 meter mobile rig, power supply and 3 element beam. i know about 726's and 736's, but i would like to enter the hobby at a less expensive level. seems that there are 2 meter and 430 mhz multimodes that were used for sat comm before the fancy newer rigs ... anyone have suggestions for entry level stuff?

regards, richard

rspear@sookit.jpl.nasa.gov  
all disclaimers apply

-----  
Date: Thu, 07 Jul 1994 13:23:43  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!cs.utexas.edu!  
csc.ti.com!tilde.csc.ti.com!sislnews.csc.ti.com!kendurham.sc.ti.com!  
ken@network.ucsd.edu  
Subject: rebroadcast of AMSAT net  
To: ham-space@ucsd.edu

A recent AMSAT bulletin listed a live rebroadcast of the Houston AMSAT net to take place on television satellite G3 transponder 17, 5.8 Mhz audio channel at 10:00 PM last Tuesday night. I couldn't find any audio on 5.8 or anywhere else on transponder 17. Messages left at the phone numbers listed in the bulletin for information have not resulted in any return calls.

Does anyone know if the rebroadcast was on another sat, freq, or time?

K5MBV

-----  
Date: 8 Jul 1994 02:48:06 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!spool.mu.edu!torn!news.unb.ca!  
nbt.nbnet.nb.ca!nbnet.nb.ca!stjacque@network.ucsd.edu  
Subject: Satellites seen from Earth  
To: ham-space@ucsd.edu

Hi,

I am an amateur astronomer and often wondered if it was possible to identify the satellites crossing the night sky. If anyone knows, I guess you guys should know.

So, would anyone be so kind and send me the coordinates, dates, times...

I am at long.68\*26, lat.+47\*28.  
I will appreciate very much.  
Thanks.  
Rachel

-----  
Date: Thu, 7 Jul 1994 16:46:16 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!agate!trib.apple.com!amd!netcomsv!telesoft!  
garym@network.ucsd.edu  
Subject: STS-65 Element Set (94189.746)  
To: ham-space@ucsd.edu

STS-65  
1 00065U                94189.74687707   .00052344   00000-0   15762-3   0        47  
2 00065   28.4664     7.3074   0003571   330.7493   29.2906   15.90324781        29

Satellite: STS-65  
Catalog number: 00065  
Epoch time:        94189.74687707     =     (08 JUL 94    17:55:30.18 UTC)  
Element set:        004  
Inclination:        28.4664 deg  
RA of node:         7.3074 deg                    Space Shuttle Flight STS-65  
Eccentricity:        .0003571                    Prelaunch Element set JSC-004  
Arg of perigee:     330.7493 deg                  Launch:   08 JUL 94   16:43 UTC  
Mean anomaly:        29.2906 deg  
Mean motion:        15.90324781 rev/day           Gil Carman, WA5NOM  
Decay rate:         5.2344e-04 rev/day^2        NASA Johnson Space Center  
Epoch rev:                                       2

(for Shuttle Elements subscription info, email: listserv@alsys.com)

--  
Gary Morris                    Internet: elements-request@alsys.com  
KK6YB                         Packet:   KK6YB @ N0ARY.#NOCAL.CA.USA.NA  
San Diego, CA, USA           Phone:    +1 619-457-2700 x128

--  
Gary Morris                    Internet: garym@alsys.com   (garym@cts.com)  
Alsys Inc.                    Packet:   KK6YB @ N0ARY.#NOCAL.CA.USA.NA  
San Diego, CA, USA           Phone:    +1 619-457-2700 x128 (voice/fax)

-----  
End of Ham-Space Digest V94 #180  
\*\*\*\*\*